

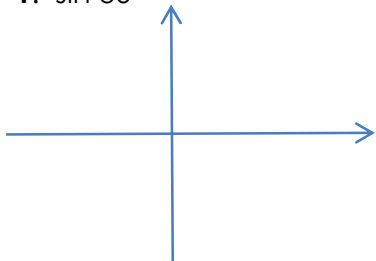
Trig. 4
Alg. II B

Name: _____

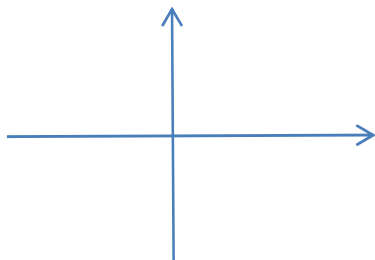
Hour: _____

Find the EXACT VALUE of the trig function. SHOW YOUR WORK!!! Make sure you draw the triangle and label it, or use the Unit Circle if the angle is a quadrantal.

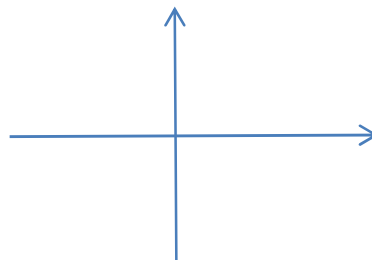
1. $\sin 30^\circ$



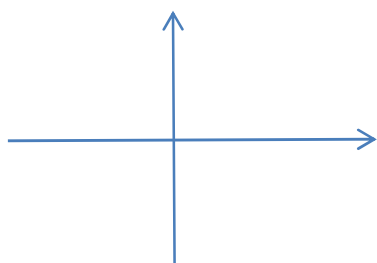
2. $\cos (150^\circ)$



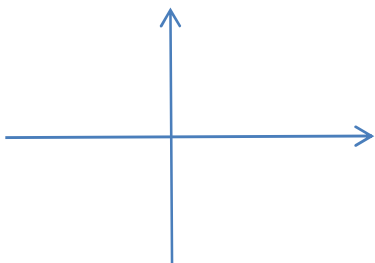
3. $\tan (330^\circ)$



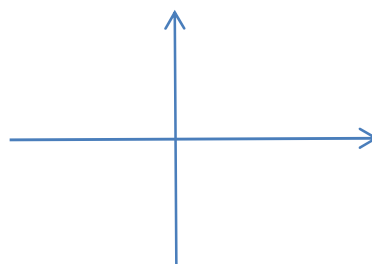
4. $\tan 45^\circ$



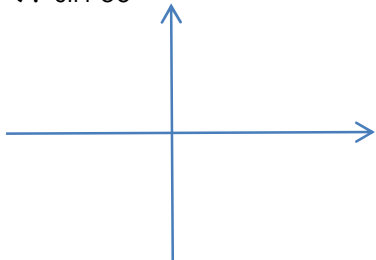
5. $\sin(135^\circ)$



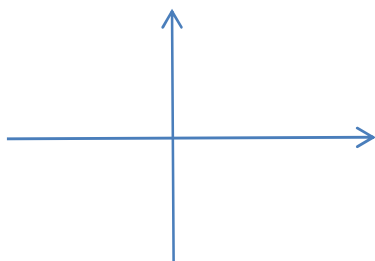
6. $\cos (225^\circ)$



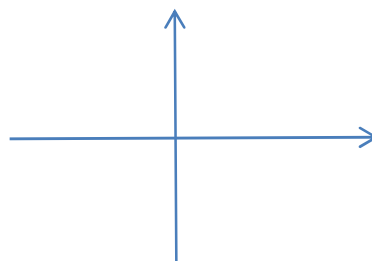
7. $\sin 60^\circ$



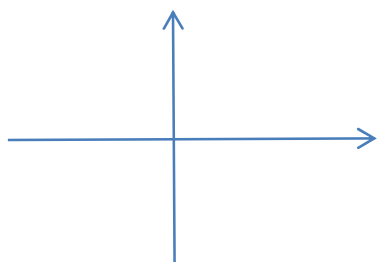
8. $\cos (120^\circ)$



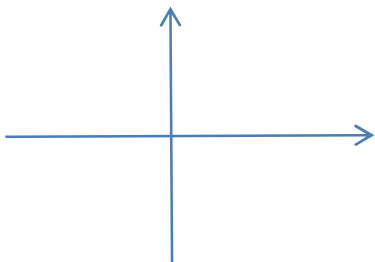
9. $\tan (300^\circ)$



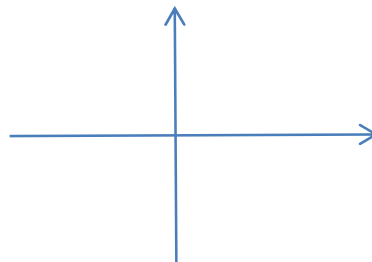
10. $\tan 360^\circ$



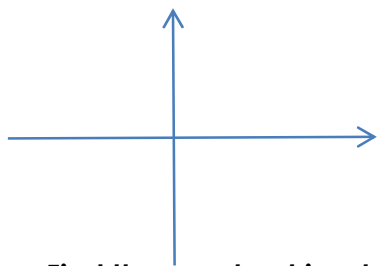
11. $\sin(-90^\circ)$



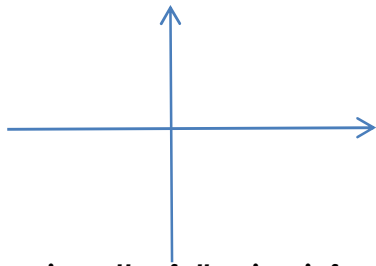
12. $\cos (-270^\circ)$



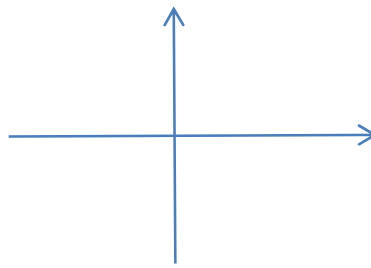
13. $\tan 0^\circ$



14. $\sin(90^\circ)$

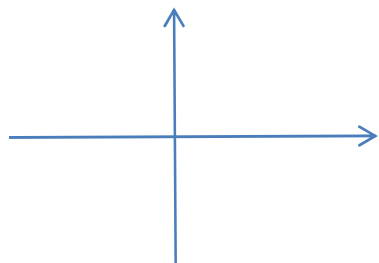


15. $\cos(270^\circ)$

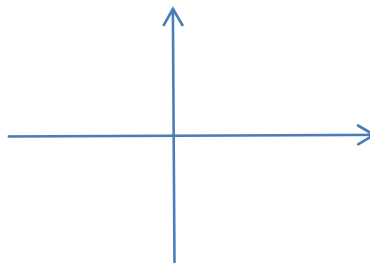


Find the quadrant in which θ lies given the following information. Make sure you draw the triangle!

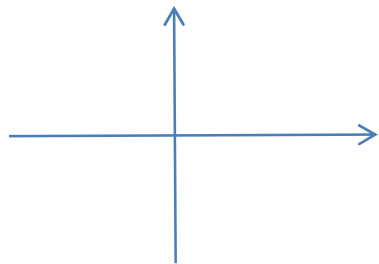
16. $\cos \theta > 0$ and $\sin \theta < 0$



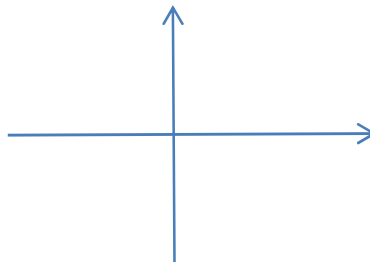
17. $\cos \theta > 0$ and $\sin \theta > 0$



18. $\cos \theta < 0$ and $\sin \theta < 0$

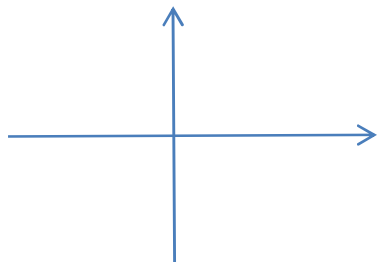


19. $\cos \theta < 0$ and $\sin \theta > 0$



Find the values of the remaining trig functions of θ given the following information. Make sure you draw the triangle!

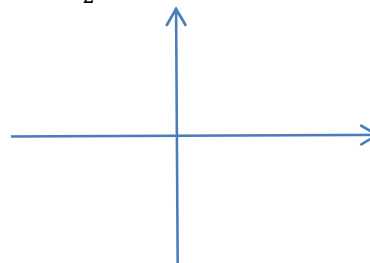
20. $\sin \theta = \sqrt{3}/2$, θ is in Quadrant II



$\cos \theta =$

$\tan \theta =$

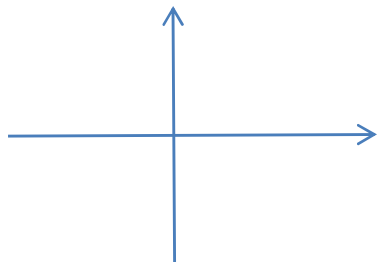
21. $\cos \theta = \frac{\sqrt{2}}{2}$, θ is in Quadrant IV



$\sin \theta =$

$\tan \theta =$

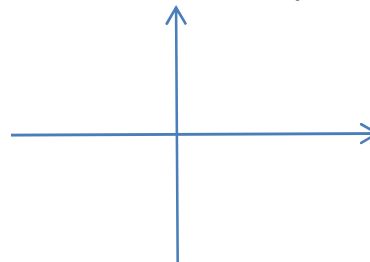
22. $\sin \theta = -1/2$, θ is in Quadrant III



$\cos \theta =$

$\tan \theta =$

23. $\tan \theta = \sqrt{3}$, θ is in Quadrant IV



$\sin \theta =$

$\cos \theta =$